

{ FORM No. 1. }
{ 1-9. 1878. }

CIRCULAR

OF THE

Massachusetts Normal Art School,

28 SCHOOL STREET, BOSTON.

UNDER THE DIRECTION OF THE STATE BOARD OF EDUCATION.

SIXTH YEAR, 1878-79.



BOSTON:

ALFRED MUDGE & SON, PRINTERS,
34 SCHOOL STREET.

1878.

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Director of the School.

Mr. WALTER SMITH State Director of Art Education, Mass.

Professor.

WALTER SMITH Art Education, Theory and Practice.

Instructors.

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Miss GRACE CARTER	"	"
Mr. ARTHUR C. PATTEN	Assistant Instructor,	"
Mr. G. H. BARTLETT	Lecturer,	"
Miss MARY E. CARTER	Instructor,	Class B.
Miss R. L. HOYT	"	"
Mr. OTTO FUCHS	"	Class C.
Mr. WILLIAM BRIGGS	"	"
Mr. H. H. KENDALL	Assistant Instructor,	"
Mr. ARTHUR C. PATTEN	Instructor,	Class D.
Mr. W. T. MEEK, Curator.		

LIST OF STUDENTS

WHO HAVING PASSED THE EXAMINATION AND COMPLETED THE CERTIFICATE WORKS,
IN THE SEVERAL CLASSES ENUMERATED BELOW, HAVE RECEIVED
CERTIFICATES, OR THE DIPLOMA.

NOTE.— The numerals under each class signify the year (since 1870) in which the student, whose name is opposite, received the certificates.

NAME OF STUDENT.	CLASSES.				Grad'ed A.M.	NAME OF STUDENT.	CLASSES.				Grad'ed A.M.
	A.	B.	C.	D.			A.	B.	C.	D.	
Avery, Helen W.	5	-	-	-	-	Dean, Walter L.	4	-	-	-	-
Anthony, Alfred J.	5	-	-	-	-	Dudley, L. Anna	4	-	-	-	-
Atwood, Evelyn	7	-	-	-	-	Day, Lizzie G.	5	8	-	-	-
Adams, S. Herbert	8	-	-	-	-	Dupee, Annie E.	6	-	-	-	-
Attwill, Lizzie B.	8	-	-	-	-	Dimock, Elizabeth F.	6	-	-	-	-
Baker, Lucas	4	5	-	8	-	Dupee, Octavia G.	6	-	-	-	-
Beer, John A.	4	-	-	-	-	Davis, Annie M.	7	8	-	8	-
Berry, A. Hun	4	-	-	-	-	Emerson, Fannie S.	5	-	-	-	-
Bowler, Emcline F.	5	8	-	-	-	Elliot, George B.	7	-	-	-	-
Barry, Charles A.	5	5	-	7	-	French, Loresta E.	4	-	-	-	-
Brackett, Walter F.	5	-	8	-	-	Fisher, Maud R.	5	7	-	-	-
Ball, Fannie E.	5	-	-	-	-	Francis, Ellen A.	7	-	-	-	-
Benham, Marion L.	5	-	-	-	-	Farley, Helen S.	8	-	-	-	-
Bowditch, Ellen O.	5	-	-	-	-	Fowler, John S.	8	-	-	-	-
Brammer, Joseph	5	5	-	-	-	Flagg, Linna B.	8	-	-	-	-
Bailey, Mercy A.	5	-	-	-	-	Flagg, Hiram P.	8	-	-	-	-
Bucklin, William S.	6	-	-	-	-	Gardner, Ella L.	6	-	-	-	-
Booth, Etta E.	6	-	-	-	-	Goodnough, Walter S.	4	-	-	-	-
Bellville, Hattie M.	6	-	-	-	-	Green, Michael J.	5	-	-	-	-
Burrage, Hattie A.	6	-	-	-	-	Gotte, Jean M.	6	8	-	-	-
Binney, Anna S.	6	-	-	-	-	Greenwood, Louis A.	6	7	-	-	-
Bradbury, Eleonora C.	7	8	-	-	-	Green, Ella C.	7	8	-	-	-
Bartlett, Mary G.	7	-	-	-	-	Gcer, Grace W.	8	-	-	-	-
Babbitt, Annie M.	7	-	-	-	-	Grigg, Anna F.	8	-	-	-	-
Burrison, Henry K.	8	-	-	-	-	Goddard, Annie F.	8	-	-	-	-
Brown, Hannah M.	8	-	-	-	-	Hoyt, Rissie L.	4	5	-	7	-
Birney, William V.	8	-	-	-	-	Hooper, William P.	5	-	-	-	-
Beals, Willis H.	8	-	-	-	-	Hintz, Bertha W.	5	-	-	-	-
Brown, Maria L.	8	-	-	-	-	Hitchings, Henry	5	-	-	-	-
Briggs, William	4	-	8	-	-	Hollis, Cynthia E.	6	7	-	-	-
Carleton, Hannah E.	4	-	-	-	-	Holmes, Anna C.	6	-	-	-	-
Carney, Ellen D.	4	5	-	-	-	Hammond, George F.	6	-	-	-	-
Crawford, James W.	4	-	-	-	-	Howard, Mary	6	7	-	-	-
Cleaveland, Julia H.	5	-	-	-	-	Hapgood, Melvin P.	6	-	-	-	-
Colby, Eugene C.	5	7	-	-	-	Holmes, Olivia S.	6	-	-	-	-
Carter, Walter E.	5	-	-	-	-	Howard, Adelia K.	6	-	-	-	-
Carter, Charles M.	6	8	-	-	-	Hill, Louise M.	6	8	-	-	-
Clapp, Mary E.	4	7	-	-	-	Halcott, Calista	7	-	-	-	-
Curtis, Annie E.	6	8	-	-	-	Horsford, Gertrude H.	7	-	-	-	-
Coburn, Bella	6	8	-	-	-	Huntington, Carrie M.	7	8	-	-	-
Clark, Fannie P.	6	-	-	-	-	Holmes, Henry	7	-	-	-	-
Cook, Herman E.	7	-	-	-	-	Howard, G. M.	7	-	-	-	-
Coffin, Clara A.	7	-	-	-	-	Holland, Charles J.	8	-	-	-	-
Cheney, Alice E.	8	-	-	-	-	Joslyn, Mary E.	5	8	-	-	-
Creighton, Hattie R.	8	-	-	-	-	Johnson, Mary E.	5	7	-	-	-
Colcord, Clara M.	8	-	-	-	-	Jepson, George	7	-	-	-	-

NAME OF STUDENT.	CLASSES.				Grad'ed A.M.	NAME OF STUDENT.	CLASSES.				Grad'ed A.M.
	A.	B.	C.	L.			A.	B.	C.	D.	
Kingsbury, Edward R.	6	7	-	-	-	Richards, W. F.	8	-	-	-	-
Locke, Emma F.	4	-	-	-	-	Stewart, Nellie N.	5	7	-	-	-
Lord, John D.	4	-	-	-	-	Spalter, A. Maria	5	-	-	-	-
Loring, George A.	5	-	-	-	-	Shaw, Annie F.	5	7	-	-	-
Loring, Susan A. W.	6	-	-	-	-	Shepley, Annie B.	6	-	-	-	-
Lough, Josephine C.	7	-	-	-	-	Saunders, Carrie H.	6	8	-	-	-
Miller, Leslie W.	4	-	-	-	-	Starbuck, Frances M.	6	-	-	-	-
Marble, John N.	5	-	-	-	-	Smith, Elmer B.	7	-	-	-	-
Mason, William A., Jr.	5	-	-	-	-	Shattuck, Katie E.	8	-	-	-	-
Mansfield, Mary	5	5	-	-	-	Sanborn, Arthur H.	8	-	-	-	-
Marsh, Helen F.	6	-	-	-	-	Sherman, Lillie L.	8	-	-	-	-
Munsell, Albert H.	7	-	-	-	-	Stetson, Julia A.	8	-	-	-	-
Moon, Mintie	7	-	-	-	-	Storer, Charles	8	-	-	-	-
Mansfield, Frank	7	-	-	-	-	Smith, Almira G.	8	-	-	-	-
Merriam, Ida A.	8	-	-	-	-	Stone, Josephine M.	8	8	-	-	-
Nolen, Caroline	4	-	-	-	-	Tufts, Abbie B.	4	-	-	-	-
Norcross, Ella A.	5	7	-	-	-	Taylor, Will. L.	5	-	-	-	-
Nason, M. E.	7	-	-	-	-	Tucker, Emily J.	5	-	-	-	-
Oakes, S. Pierce	5	-	-	-	-	Thompson, William A.	6	-	-	-	-
Pierce, Osborn J.	4	-	-	-	-	Thaxter, Thomas W.	7	-	-	-	-
Putnam, Benjamin W.	4	5	-	-	-	Torrey, William F.	7	-	-	-	-
Perry, Walter S.	5	-	-	-	-	Trask, Abbie J.	7	-	-	-	-
Patten, Arthur C.	5	7	6	7	1877	Taft, Mary F.	7	-	-	-	-
Pitman, Sophia L.	5	6	-	-	-	Thompson, L. S.	7	-	-	-	-
Parker, Frank G.	5	-	-	-	-	Thomas, Ella A.	8	-	-	-	-
Peabody, Margie G.	5	-	-	-	-	Vonnoh, Robert W.	7	8	-	-	-
Perrin, Julia	5	-	-	-	-	Walker, Sophia A.	5	-	-	-	-
Palmer, Laura E.	6	-	-	-	-	Whiton, Maria E.	5	-	-	-	-
Plaisted, Lilla M.	6	-	-	8	-	Wellington, Leah N.	6	7	-	8	-
Perry, Charles H.	7	-	-	-	-	Ware, George Wilde	6	-	-	-	-
Porter, George M.	7	-	-	-	-	Webster, Clara E.	7	8	-	-	-
Parsons, Lydia A.	7	-	-	-	-	Webster, Addie L.	7	-	-	-	-
Parsons, Caroline L.	7	8	-	-	-	Woodman, George E.	7	-	-	-	-
Page, Henri-etta	8	-	-	-	-	Wiley, Emma I. S.	8	-	-	-	-
Parker, Emma T.	8	-	-	-	-	Whitney, Charles F.	8	-	-	-	-
Prichard, John A.	8	-	-	-	-	Wellington, Sarah H.	8	-	-	-	-
Prince, Flora	8	-	-	-	-	Webster, M. Isabel	8	-	-	-	-
Roos, Peter	4	-	-	-	-	Whitney, Lizzie E.	8	-	-	-	-
Rose, Eben	4	-	-	8	-	Williams, Maria F.	8	-	-	-	-
Robbins, Sarah H.	5	-	-	-	-	White, Abbie M.	8	-	-	-	-
Roys, Viola G.	6	-	-	-	-	Watson, Lucretia S.	8	-	-	-	-
Rich, Delia C.	8	-	-	-	-	Webster, Clara E.	8	-	-	-	-
Radford, Helen L.	8	-	-	-	-	Wild, Mary E.	8	-	-	-	-

MASSACHUSETTS NORMAL ART SCHOOL.

IN view of the great importance of drawing as a branch of education, the Legislature, by an Act passed May 16, 1870, made instruction in this branch obligatory in the public day-schools, and required cities and towns containing more than ten thousand inhabitants to make provision for free instruction in industrial drawing to persons over fifteen years of age. This Act met with much public favor, but it was soon found that it was impossible to realize satisfactorily the benefits intended by the Act for want of competent teachers. An Act was therefore passed by the Legislature providing for the establishment and maintenance by the Board of Education of a State Normal Art School. In pursuance of this provision, this circular has been prepared for the information of those interested.

DESIGN OF THE SCHOOL.

This School is intended as a Training School for the purpose of qualifying teachers and masters of industrial drawing. Its specific aim at present is to prepare teachers for the industrial drawing schools of the State, who shall also be able to direct and superintend the instruction in this branch in the public schools. In the future it may be necessary to provide for high skill in technical drawing and art culture, but the immediate pressing demand is for teachers who know the elementary subjects thoroughly, and can teach them intelligently and successfully; and this demand the School will aim primarily to supply, making its training as complete and practical as the circumstances will permit.

LOCATION.

School Street Block, No. 28 School Street, opposite the City Hall, Boston.

CONDITIONS OF ADMISSION AND FEES.

An examination in Freehand Drawing of Ornament from Copy, and Object Drawing from the solid, will be held at the beginning of each term, of all candidates for admission to Class A. After the end of the school year 1878-9, the examination for admission will consist of exercises in Freehand Drawing, from the flat and the round, Geometrical

and Perspective and Memory Drawing of an original design made by the applicant; and students will be advanced to either of the other classes upon passing the examination prescribed therefor. To students residing within the State, tuition is free; but ten dollars per term will be charged for incidentals. To students from without the State, fifty dollars per term. All fees are payable, in advance, to the Curator at the commencement of each term.

COURSE OF INSTRUCTION.

The term Industrial Drawing includes both Instrumental and Free-hand Drawing. The former will be taught by lectures given by the lecturers on the various subjects; and the latter, by individual instruction by the instructors, who will also superintend the artistic work in the studios, comprising Freehand Drawing, Painting, and Designing. The work of Class A is devoted to Elementary Drawing; of Class B, to Form, Color, and Industrial Design; of Class C, to the Constructive Arts; and of Class D, to Sculpture and Design in the round. These groups of subjects can be studied in any order after Class A has been passed through, subject only to an examination as to the fitness of the student.

SCHOOL YEAR.

The school year begins the first week in October, and closes with the graduation exercises near the end of June. The year is divided into two terms: the first term comprises the months of October, November, December, and January; the second term, the months of February, March, April, May, and part of June.

SESSIONS AND VACATIONS.

Instruction is given from 9 A. M. to 12 M., and from 1 to 4 P. M., on Monday, Tuesday, Wednesday, Thursday, and Friday. Students are expected to attend punctually and regularly in their classes during the hours of instruction; and tardiness and irregularity will be recorded, and be regarded as sufficient grounds for suspension or dismissal.

The vacations and holidays are:— One week from Christmas Day; New Year's Day; the twenty-second of February; Fast Day; Decoration Day; Thanksgiving Day, and the remainder of the week; and from February 1st to 7th, inclusive.

EXAMINATION AND CERTIFICATES.

For permission to be examined for a Certificate, the student will be required to submit class exercises, the subjects being described in the list of certificate drawings. These drawings, painting, and models

are to show whether the student possesses the manipulative skill necessary to teach industrial art. If the works pass examination, the student will then be allowed to offer himself for the certificate examination, which will be held at the end of each school year. This examination having been passed, the student will receive a Certificate, testifying to his scientific and artistic qualifications to give instruction in the group of studies passed. A student failing to pass an examination in any subject may present himself again at a future examination, those subjects already passed being recorded in his favor; but he will not receive the Certificate of the School until all the subjects of examination have been passed.

The Diploma of the School will be granted to those students only who complete the subjects of study, and pass the examination in Classes A, B, C, and D.

APPOINTMENT CLASS.

Qualified students of the Classes B, C, and D will be selected to act as Assistants to the Instructors in Class A for at least one week in each term, as a part of their training, and from the monthly reports on their conduct and efficiency, made to the Director by the Instructors, recommendations for appointments as teachers will be made.

It must, however, be distinctly understood by students of the School that neither the School nor its officers undertake any responsibility with regard to securing appointments for the students, the School being a training school, not an agency to secure employment for teachers of drawing.

Applications from schools or colleges for teachers of drawing will be brought to the attention of such students in the appointment class as the Director thinks competent to do the work required; but such applications and recommendations have nothing official in connection with the School.

REGULATION CONCERNING STUDENTS

WHO HAVE RECEIVED APPOINTMENTS AND WHO DESIRE TO CONTINUE THEIR STUDIES AND OBTAIN THE ADVANCED CERTIFICATES.

Students who have taken Certificate A, and whose appointments as teachers of drawing prevent their attendance at the School, upon presenting the required works for Certificate B, and giving satisfactory evidence that the works are their own production, will be treated as though in attendance in the School, if the regular fees are paid by them. Their works for Certificate B will be examined, and if accepted, the students presenting them may offer themselves for the time examination to complete their Certificates. The same rule applies to those who desire to obtain Certificates C and D.

CERTIFICATE WORKS.

One work from the certificate set of each student will be retained as the property of the School, and the best set in each year will be also retained and kept in the School. The student who produces the best set of certificate works will have a Certificate testifying to the fact of his works having been selected as the best in the year.

Students who leave the School before completing the set of certificate works required in any class will not be allowed to take such works from the School, unless they are employed to teach drawing and file a statement of that fact with the Curator.

Having passed the examinations in a class, and completed the works students will not be allowed to continue for practice in the same class; or having failed to pass through the class within two years, will be considered as no longer belonging to it, though they may join another, class, by permission of the Director.

DIARY OF STUDIES.

FOR CLASS A. CERTIFICATE A.

Elementary Drawing.

Instructors	.	.	.	Mr. WILLIAM BRIGGS, Miss GRACE CARTER.
Assistant	.	.	.	Mr. ARTHUR C. PATTEN.
Lecturer	.	.	.	Mr. G. H. BARTLETT.

Days.	Hours.	Subject of Instruction.	Lecturers.
Monday	9 to 11½	Drawing. Freehand Certificate Works.	
	11½ to 12	Lecture. Color	Miss CARTER.
	1 to 3½	Drawing. Freehand Certificate Works.	
	3½ to 4	Lecture. Model Drawing	Mr. BRIGGS.
Tuesday	9 to 10½	Lecture. { Isometric Projection and Projection of Shadows }	"
	10½ to 12	Lecture. Perspective	"
	1 to 2½	Lecture. Geometry	"
	2½ to 4	Normal Instruction	"
Wednesday	9 to 11½	Drawing. Freehand Certificate Works.	
	11½ to 12	Lecture. Historic Ornament	Miss CARTER.
	1 to 2	Lecture. { Light and Shade and Processes of Drawing }	Mr. BARTLETT.
	2 to 4	Drawing. Freehand Certificate Works.	
Thursday	9 to 10½	Lecture. Orthographic Projection	Mr. BRIGGS.
	10½ to 12	Lecture. Machine Drawing	"
	1 to 2¼	Lecture. Building Construction	"
	2¼ to 4	Normal Instruction	"
Friday	9 to 11½	Drawing. Certificate Works.	
	11½ to 12	Lecture. Botanical Analysis	Miss CARTER.
	1 to 3½	Drawing. Certificate Works.	
	3½ to 4	Lecture. Design	"

Test examinations will be held on the last Friday in each month. Unless an average of 50 per cent of marks in each subject is obtained the student will be ineligible for the certificate examination. The records of these examinations will be kept, and along with the results of the certificate examinations be open to those who are consulting the records to see the standing of each student when making inquiries for teachers.

LIST OF CERTIFICATE DRAWINGS.

TO BE DONE DURING THE COURSE OF STUDY, AND HANDED IN FOR PERMISSION TO BE EXAMINED.

Instrumental Drawing.

1. A sheet of Geometrical Problems.
2. A sheet of Perspective Problems.
3. A sheet of Orthographic Projection.
4. A sheet of Machine Drawing.
5. A sheet of Details of Building Construction.
6. A sheet of Isometric Projection.
7. A sheet of Projection of Shadows.

Freehand Drawing.

8. A sheet of Model Drawing, in pencil outline.
9. A sheet of Model Drawing, shaded in chalk.
10. A sheet of Model Drawing, shaded in sepia, India ink, or neutral tint.
11. A sheet of Model Drawing, rubbed or stumped.
12. An Outline Drawing of ornament, from the cast, in pencil.
13. An Outline Drawing of foliage, from nature.
14. An Outline Drawing of the human figure, from the flat.
15. An Outline Drawing of animal form, from the cast.
16. An Outline Drawing of a piece of furniture, chair, table, etc.
17. A Shaded Drawing, in chalk, with point or stump, of ornament, from the cast.
18. A Shaded Drawing, in sepia or India ink, from the cast.
19. An original design to fill a geometric form, from a plant.
20. A design for a wall paper, carpet, or any common object.
21. Specimen lessons in blackboard drawing and dictation drawing.
22. A painting in water color, of a flower, from copy.
23. Analysis of styles of historical ornament.
24. Botanical analysis of a plant, for the purpose of design.

EXAMINATION FOR CERTIFICATE.

The above drawings having been submitted and approved, time examinations for the completion of the Certificate will be held at the end of the annual session, in the following subjects:—

- | | |
|--|-------------------------------|
| 1. Plane Geometrical Drawing. | 7. Building Construction. |
| 2. Perspective Practice. | 8. Model Drawing, from solid. |
| 3. Perspective Theory. | 9. Drawing from Memory. |
| 4. Orthographic Projection. | 10. Drawing from Dictation. |
| 5. Machine Drawing. | 11. Historical Ornament. |
| 6. Isometric Projection and Projection of Shadows. | 12. Harmony of Color. |

FOR CLASS B. CERTIFICATE B.

FORM, COLOR, AND INDUSTRIAL DESIGN.

Instructors Miss MARY CARTER, Miss R. L. HOYT.

Days.	Hours.	Subjects of Instruction.	Lecturers.
Monday	9 to 12	Painting. Certificate Works.	
	1 to 2½	" " "	
	2½ to 4	Time Sketch. Light and Shade.	
Tuesday	9 to 12	Painting. Certificate Works.	
	1 to 2½	" " "	
	2½ to 4	Time Sketch. Water Color.	
Wednesday	9 to 12	Painting. Certificate Works.	
	1 to 2½	Lectures { Historic Ornament { Historic Sch'ls of Painting }	Miss M. E. CARTER.
	2½ to 4	Lectures { Botanical Analysis { Color and Harmony }	Miss R. L. HOYT.
Thursday	9 to 12	Painting. Certificate Works.	
	1 to 2½	" " "	
	2½ to 4	Time Sketch in Oil.	
Friday	9 to 12	Painting. Certificate Works.	
	1 to 2½	Lecture. Applied Design	Miss M. E. CARTER.
	2½ to 4	Lecture. Anatomy	Mr. A. C. PATTEN.

The three time sketches made each week are to be submitted to the Director every Friday, and will be marked by him. Unless an average of fifty per cent of marks per week for twenty-five weeks is obtained, the student will be ineligible for the final examination for Certificate. The records of these examinations will be kept, and, along with the results of the certificate examinations, be open to those who are consulting the records to see the standing of each student when making inquiries for teachers.

PAINTING.

LIST OF CERTIFICATE WORKS.

TO BE DONE DURING THE COURSE OF STUDY, AND HANDED IN FOR PERMISSION TO BE EXAMINED.

Painting in Water Colors.

- *1. Flower and foliage, from nature, without background.
- *2. Fruit, and still life, from nature, with background.
- †3. Landscape painting, from an approved example.
- *4. Landscape painting, to include a building, from nature.

* For the present, only those works marked with the asterisk will be required.
† In oil painting, exercises 11 or 13 may be chosen. In water color, exercises 3 or 4 may be taken.

5. Study of draped human figure, from nature.
- *6. Bones, muscles, and monochrome study of antique figure, from cast. [Three drawings.]

Painting in Tempera.

7. Study of ornament, or arabesque, in color.
8. Design for wall or ceiling decoration.
9. Antique figure, in monochrome, from bass-relief.

Painting in Oil.

- *10. Study in monochrome, from cast, of human figure.
- *11. Study of a head, from nature, life size.
12. Landscape, from an approved example.
- †13. Study of a head, from an approved example.
- *14. Group, as a study of composition and color, of objects or still life.
15. Study of drapery, from an arranged subject.

INDUSTRIAL DESIGN.

1. Design for a sculptured ornament, in stone or marble.
2. Design for a work in cast iron, as a grate, railing, etc.
3. Design for a piece of furniture in wood, enriched by carving.
4. Design for an encaustic tile.
5. Design for a gas bracket, or gasalier, in brass or bronze.
6. Design for a porcelain breakfast or dinner service, — plate, cup and saucer, ewer, and cream pitcher.
7. Design for a cotton print for a dress.
8. Design for an oil cloth carpet, or drugget.
9. Design for a damask table-cloth or window-curtain.
10. Design for a lace curtain.
11. Design for an ice pitcher, in silver, engraved.
12. Design for a glass goblet.
13. Design for a fan, worked in color, on white satin.
14. Design for a book-cover stamped in leather.
15. Design for a diploma for the Normal Art School.
16. Design for a paper hanging.
17. Design for a frescoed ceiling and wall panels.

The student is to produce four designs selected from the above list, in addition to which one manufactured article, made from the student's design, and used for industrial purposes, will be required from each student. Any branch of industry may be selected for this application

of design, and the work will be accepted or rejected on consideration of the merits of the design only, not for its technical merits or defects of manufacture. Accepted works will be retained, to form a record of the direct influence of the School on Industrial Art.

EXAMINATION FOR CERTIFICATE.

Practice.

1. Time sketch in oil, of a group, objects, and still life. Four hours.
2. Time sketch in water colors, of a head from living model. Four hours.
3. Time sketch in light and shade, of a cast of ornament. Three hours.

Theory.

4. Paper on the harmony of color, illustrated by sketches. One hour.
5. Paper on the origin and chemistry of colors. One hour.
6. Paper on the technical terms used in painting. One hour.
7. Paper on the application of ornament to industrial purposes. Two hours.
8. Paper on the principles and styles of the historic schools of painting. Two hours.
9. Drawing of the bones and muscles of an antique figure, in pencil, to fill an outline given to the student. Four hours.
10. Paper on the history of ornament, all periods and styles. Two hours.
11. Paper on structural botany, and illustrations of technical terms. Two hours.
12. Principles of design, applied to clay, woodwork (constructional and sculptured), metal work (cast and wrought), stone, surface decoration (walls, ceilings, floors), fabrics (printed, woven, dyed). Two hours.
13. Description of lithography, wood engraving, etching, steel engraving, porcelain painting, lace making by hand and machine, reproduction of the round in plaster, metals, and terra cotta, chasing and embossing, fresco painting, mosaic work in glass and stone, inlays, glass staining and painting, encaustic tile, stencilling, Palissy ware, Majolica, Della Robbia ware, Wedgwood ware. Four hours.

FOR CLASS C. CERTIFICATE C.

THE CONSTRUCTIVE ARTS.

ARCHITECTURAL DESIGN.
MACHINE DRAWING, CONSTRUCTION AND DESIGN.
DESCRIPTIVE GEOMETRY.
TOPOGRAPHICAL DRAWING AND SHIP DRAUGHTING.

Instructors Mr. OTTO FUCHS, Mr. WILLIAM BRIGGS
Assistant Mr. H. H. KENDALL.

<i>Days.</i>	<i>Hours.</i>	<i>Subjects of Instruction.</i>	<i>Instructors.</i>
Monday . . .	9 to 4	Class Work	Mr. BRIGGS.
Tuesday . . .	9 to 12	Lecture. Descriptive Geometry	Mr. OTTO FUCHS.
	1 to 4	Lecture. { Topographical Drawing and Ship } Draughting }	"
Wednesday . . .	9 to 4	Class Work	Mr. BRIGGS.
Thursday . . .	9 to 12	Lecture. Machine Drawing	Mr. OTTO FUCHS.
	1 to 4	Class Work	"
Friday . . .	9 to 12	Lecture. Building Construction	Mr. KENDALL.
	1 to 4	Lecture. Architectural Design	"

Test examinations will be held on the first Monday in each month. Unless an average of 50 per cent of marks is obtained in each subject, the student will be ineligible for the certificate examination. The records of these examinations will be kept, and along with the results of the certificate examinations be open to those who are consulting the records to see the standing of each student when making inquiries for teachers.

LIST OF CERTIFICATE WORKS.

TO BE EXECUTED DURING THE COURSE OF STUDY, AND HANDED IN FOR PERMISSION TO BE EXAMINED.

[All Drawings to be on Imperial Paper, 29½ by 21½ inches.]

Architectural Design and Building Construction.

1. Design for a house or public building, showing plans, elevations, sections, and perspective, on one sheet.
2. Structural details, on an enlarged scale, of floors, windows, roof, and staircase, of the first subject.
3. Monograph of the three ancient or three mediæval or three modern styles of architecture and ornament.
4. Drawing of a building, to scale, from actual measurement of the structure ; plans and two geometric elevations.

Machine Drawing. Construction and Design.

5. Sheet of screws, plans and elevations.
6. Sheet of wheels, spur, bevel, cams, eccentrics, gearing.
7. Plan, elevation and section of a locomotive or stationary engine; from copy.
8. Drawing from the actual object, as a drill, pump, or any other machine. Two views.

Descriptive Geometry and Topographical Drawing.

9. Sheet of illustrations, in outline, from lectures on descriptive geometry. Development of surfaces.
10. Sheet of intersections of solids and projection of shadows; tinted.
11. Ship Draughting. Two views and section of a boat or ship.
12. Topographical drawing of an estate from actual survey, or from data given; colored, and buildings sketched in outline.

EXAMINATION FOR CERTIFICATE.

Architectural Design.

1. Paper on the styles of architecture and ornament illustrated in the monograph. Two hours.
2. Paper on building construction in the several materials used. Two hours.
3. Design for a building in the style employed for the certificate work, complying with given conditions. Sketches required. Six hours.

Machine Drawing.

4. Paper on details of machinery. Two hours.
5. Drawing from an actual machine, to scale, placed in the examination room. Four hours.

Topography, Descriptive Geometry, and Ship Draughting.

6. Paper on solid geometry. Two hours.
7. Survey of an estate. Two days.
8. Drawing from memory of the ship draughting certificate work. Two hours.

7. Model in relief from a print or drawing of a human figure or head.
8. Anatomical rendering of an antique figure.

Designs to be Drawn.

9. Design for a piece of furniture in which wood carving is employed.
10. Design for a chandelier or gasolier, or any useful object in metal.
11. Design for an ice pitcher, flagon, or goblet, loving-cup or tankard or vase, enriched by medallions and chasing.
12. Design for any object in porcelain, pottery, or inlay, or for a certificate or diploma, introducing the human figure.

EXAMINATION FOR CERTIFICATE.

Theory.

1. Paper on sculptured ornament of the Historical School. Two hours.
2. Paper on design applied to objects in the round. Two hours.
3. Paper on anatomy of the human skeleton and muscles. Two hours.
4. Paper on sculpture of the human figure. Two hours.

Practice.

5. To sketch in clay a relief copy of a piece of ornament, from the cast or shaded copy. Two hours.
6. To model a relief from the entire figure, and in the round, of a bust or statuette, from the antique, or life, or shaded copy. Four hours, and three hours.

NOTICE CONCERNING CERTIFICATE WORKS.

Four of the eight certificate models are to be of imperial size, or in the round, and to be cast in plaster, and painted, before being sent in as complete.

They will, however, be examined and accepted or rejected before being cast.

The remaining four models need not be cast. One of the cast works is to be an example of bass-relief, one of mezzo or mixed relief, one in alto relief, and one in the round, a statuette or bust, original, or from the life, or the antique. One half the cost of casting the four selected works will be paid by the school.

REGULATIONS OF THE SCHOOL.

The only works allowed to be executed in the School are those required by the lecturers or instructors to illustrate their lectures or lessons, or those on the list of certificate works.

The certificate works must be made on half-imperial sheets of paper or canvas ($15 \times 21\frac{1}{2}$), except in Class C, which must be on imperial sheets.

All materials and apparatus required are to be provided by the students at their own cost; no examples for instruction can be removed from the school by the students; and any damage done to the property of the School will have to be made good by the teacher in whose class it occurs, and who is authorized to recover the cost of damage from the student causing it.

The attendance of the students will be registered daily, and absence from the classes must be explained to the instructors.

At the class lectures the sketches and illustrations made or used by the lecturers or instructors are to be reproduced by each student, accompanied by such written descriptions as may be deemed necessary.

There will be a recess from 12 to 1 during the morning session.

Each lecturer will require a certain amount of work to be done by the students between one lecture and another. This must be regarded as a part of the school work, as much so as that done in the lecture-room or studio.

The text-books used or required for reference will be indicated by the lecturer of the several subjects. Any certificate work which, in the opinion of the Director, does not show sufficient skill to qualify the student to teach the subject, will be rejected, and another must be made.

Every student will be provided with a locker, in which to keep boards and drawing materials. On receiving the key, the student must deposit one dollar as a guarantee that the key will be returned; when it is returned, the money will be repaid.

A student can be advanced from one class to another only on completion of the whole set of certificate works of the class he is in, and a student who passes any subject of examination cannot be re-examined in the same.

FORM OF APPLICATION FOR ADMISSION.

Date, _____

Name of Applicant (in full), _____

Age, _____ Occupation, _____

Address, _____

Parents' Occupation, _____

One of the following forms is to be filled up, according to the circumstances of the applicant:—

1. I, _____, being a resident in the State of Massachusetts, viz., at _____ and desirous of becoming a qualified Teacher of Drawing, and intending to teach drawing in the said State after passing the required examinations, hereby make application for admission to the Massachusetts Normal Art School, and engage to attend regularly, and to offer myself for examination at the end of the annual session, if permitted to do so; and having read the rules and regulations of the School agree to abide by them.

2. I, _____, not being a Teacher of Drawing in the State of Massachusetts, nor a resident therein,—or, if a resident, having no intention of teaching drawing,—hereby make application for admission as a student of the Massachusetts State Normal Art School, and will, upon admission, pay in advance the fee for instruction given each term; will also undertake to attend regularly during the time the School is open and offer myself for examination at the end of the annual session if permitted to do so; and having read the rules and regulations of the School agree to abide by them.

1. CLASS A.—CERTIFICATE A.

Monday, Tuesday, Wednesday, Thursday, and Friday, from 9 A. M. to 12 M., and from 1 P. M. to 4 P. M.

2. CLASS B.—CERTIFICATE B.

Monday, Tuesday, Wednesday, Thursday, and Friday, from 9 A. M. to 12 M., and from 1 P. M. to 4 P. M.

3. CLASS C.—CERTIFICATE C.

Monday, Tuesday, Wednesday, Thursday, and Friday, from 9 A. M. to 12 M., and from 1 P. M. to 4 P. M.

4. CLASS D.—CERTIFICATE D.

Monday, Tuesday, Wednesday, Thursday, and Friday, from 9 A. M. to 12 M., and from 1 P. M. to 4 P. M.

Divisions 2, 3, and 4 are only open to those students who have either passed the examination or completed the drawings for Certificate A.

Applicants will make a X against the Division they wish to attend.

This form is to be filled and signed, and sent to

THE CURATOR, NORMAL ART SCHOOL,

28 School Street, Boston.

The examination for admission will be in the subjects of freehand outline drawing from copy. and model drawing from the solid, and will be held at the School, 28 School Street, on Monday, September 30. at 12 M.

The School opens for students on Wednesday, October 2, 1878.

A. A. MINER,

G. G. HUBBARD,

C. B. RICE,

State Board of Visitors.

